

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

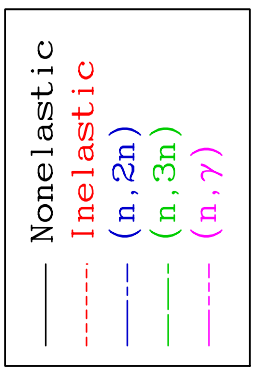
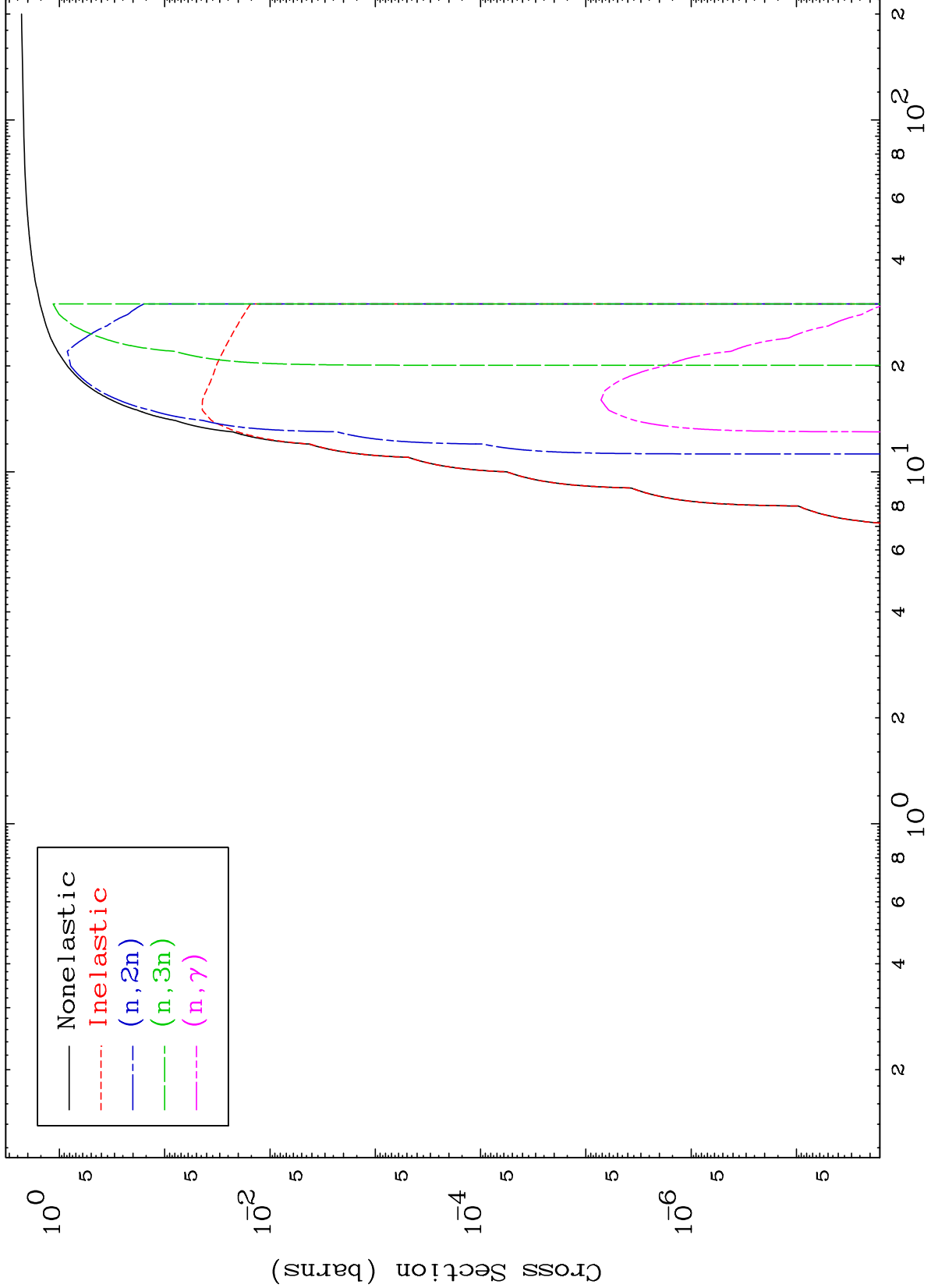
Press Mouse Button to Start

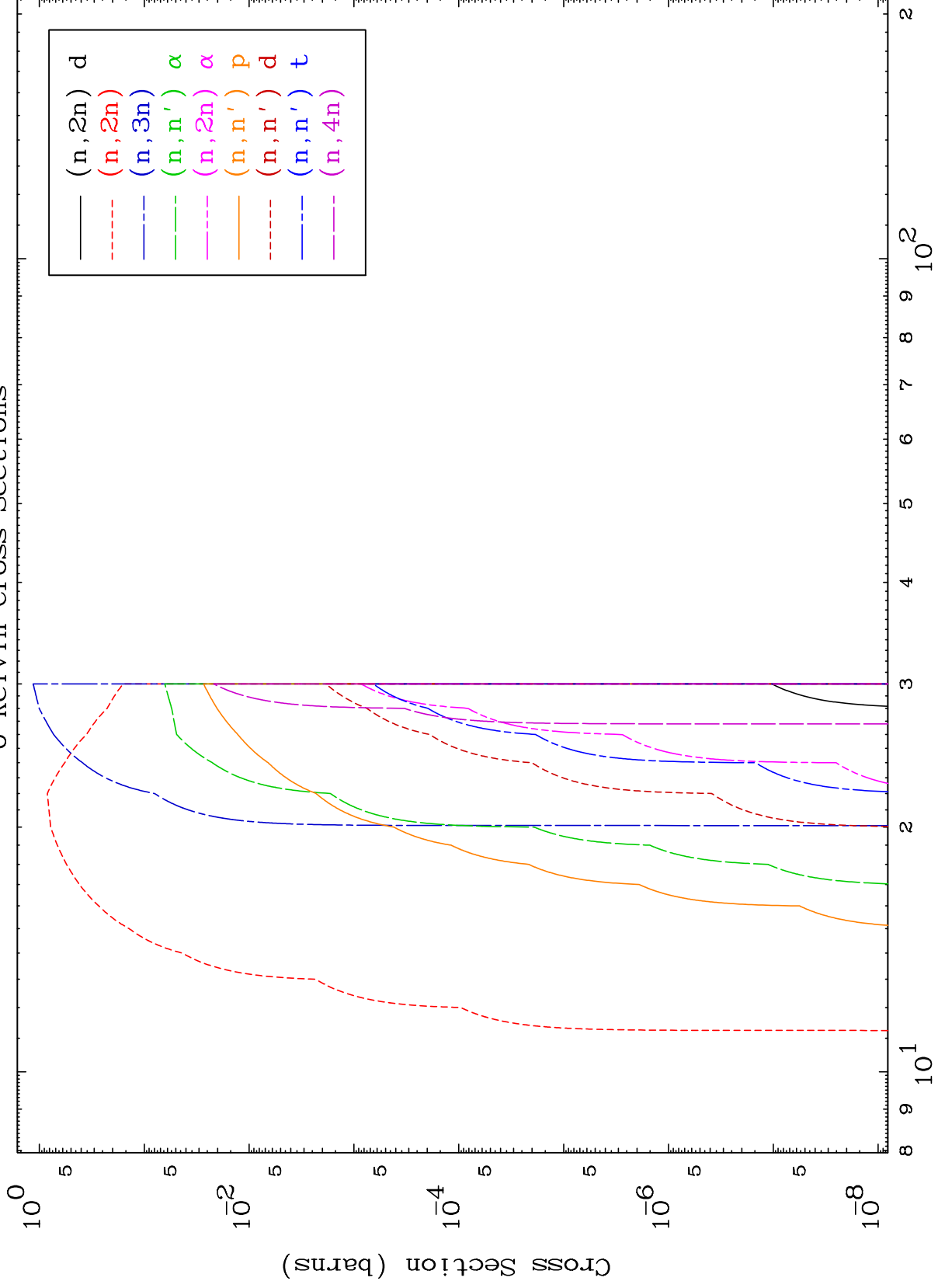
MAT 5149

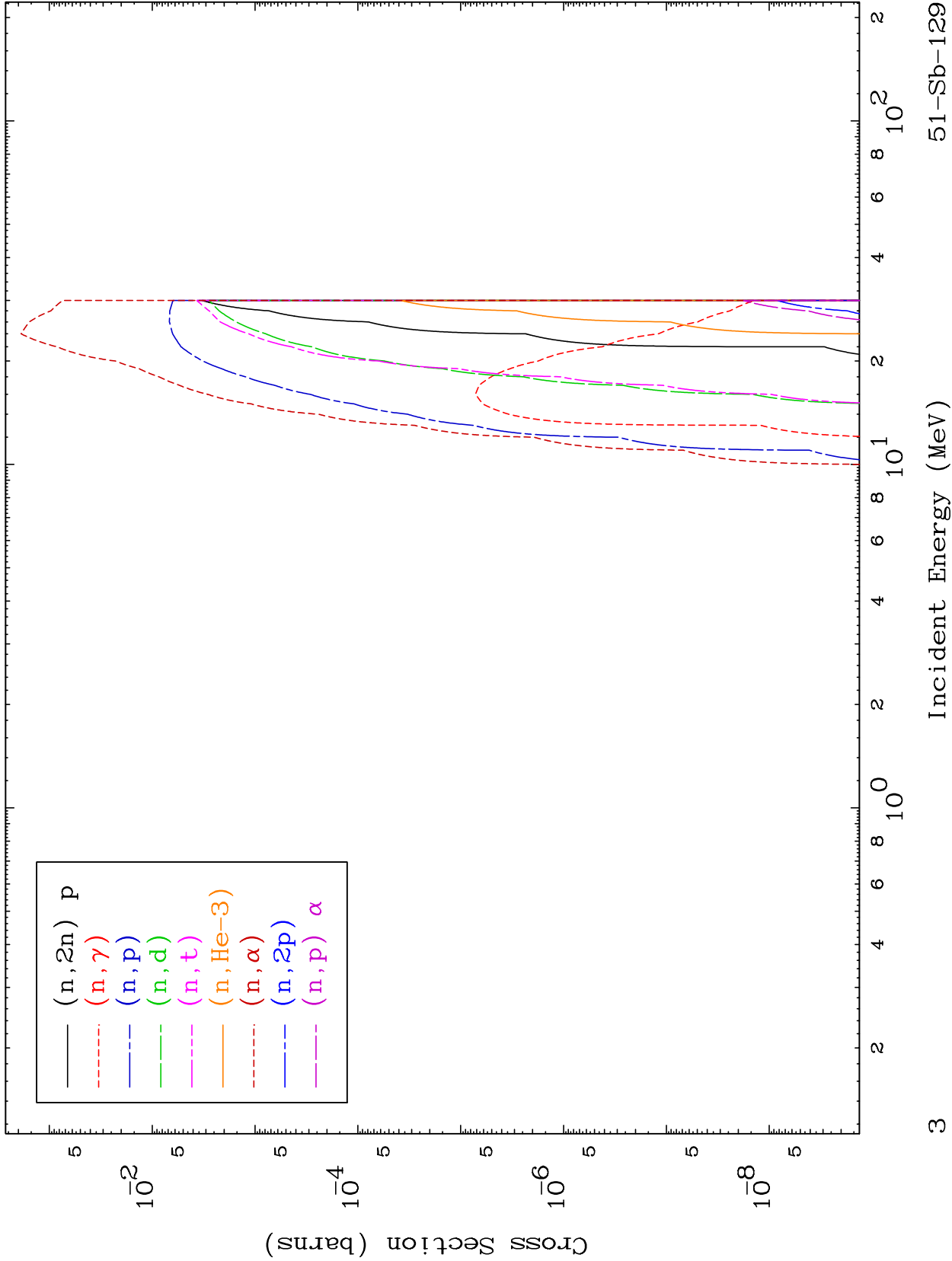
$\alpha$  Major

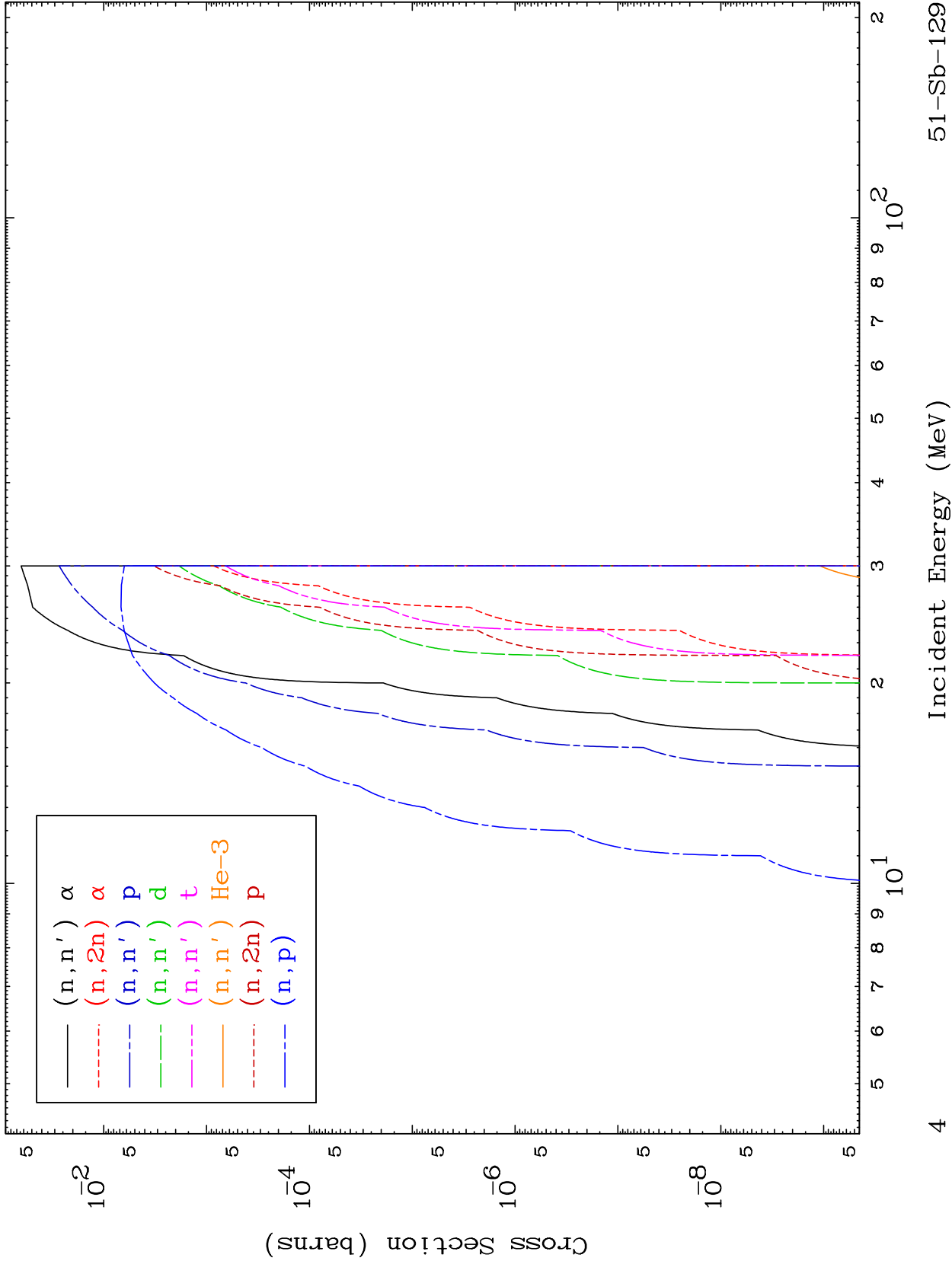
51-Sb-129

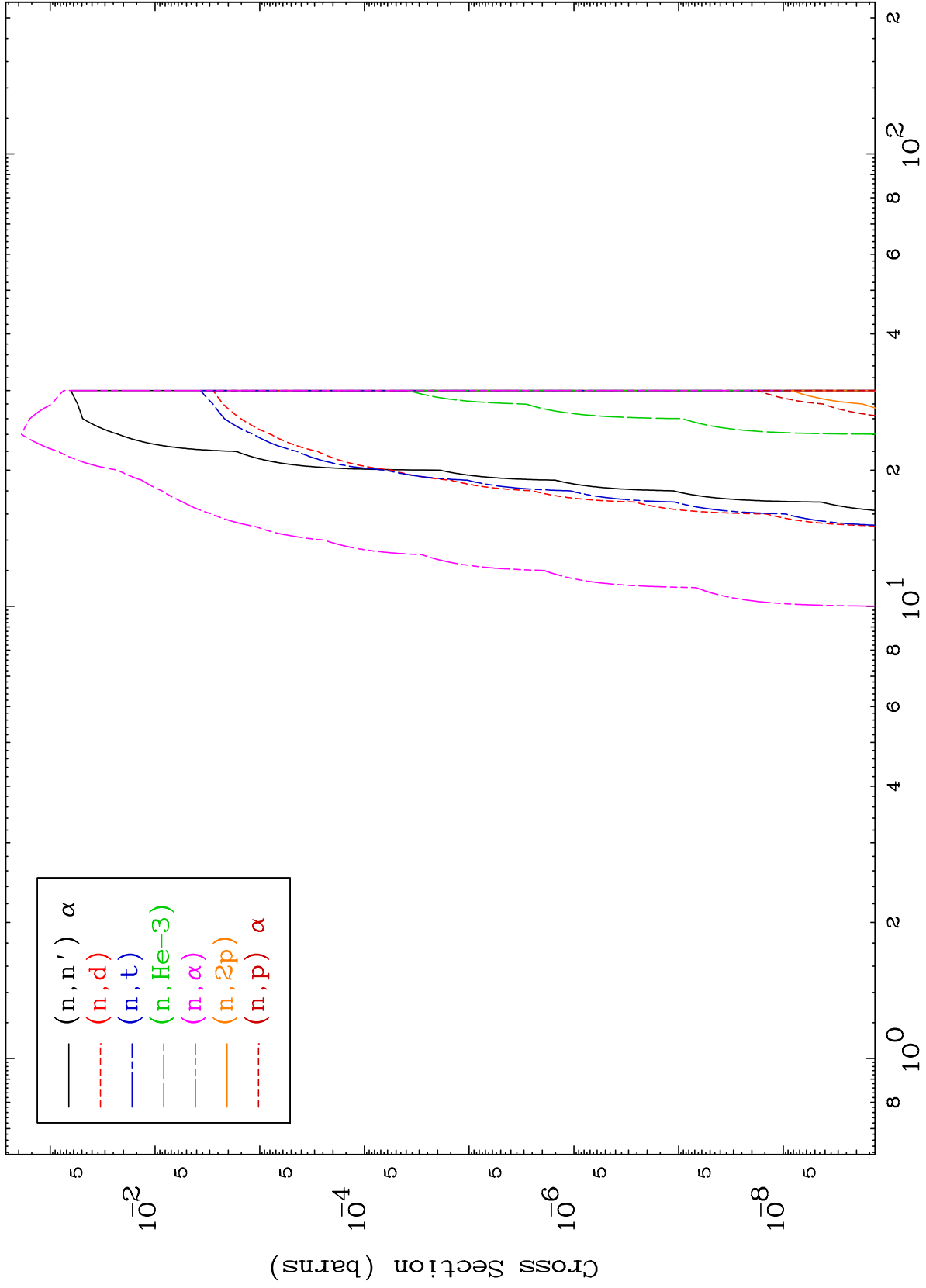
0 Kelvin Cross Sections







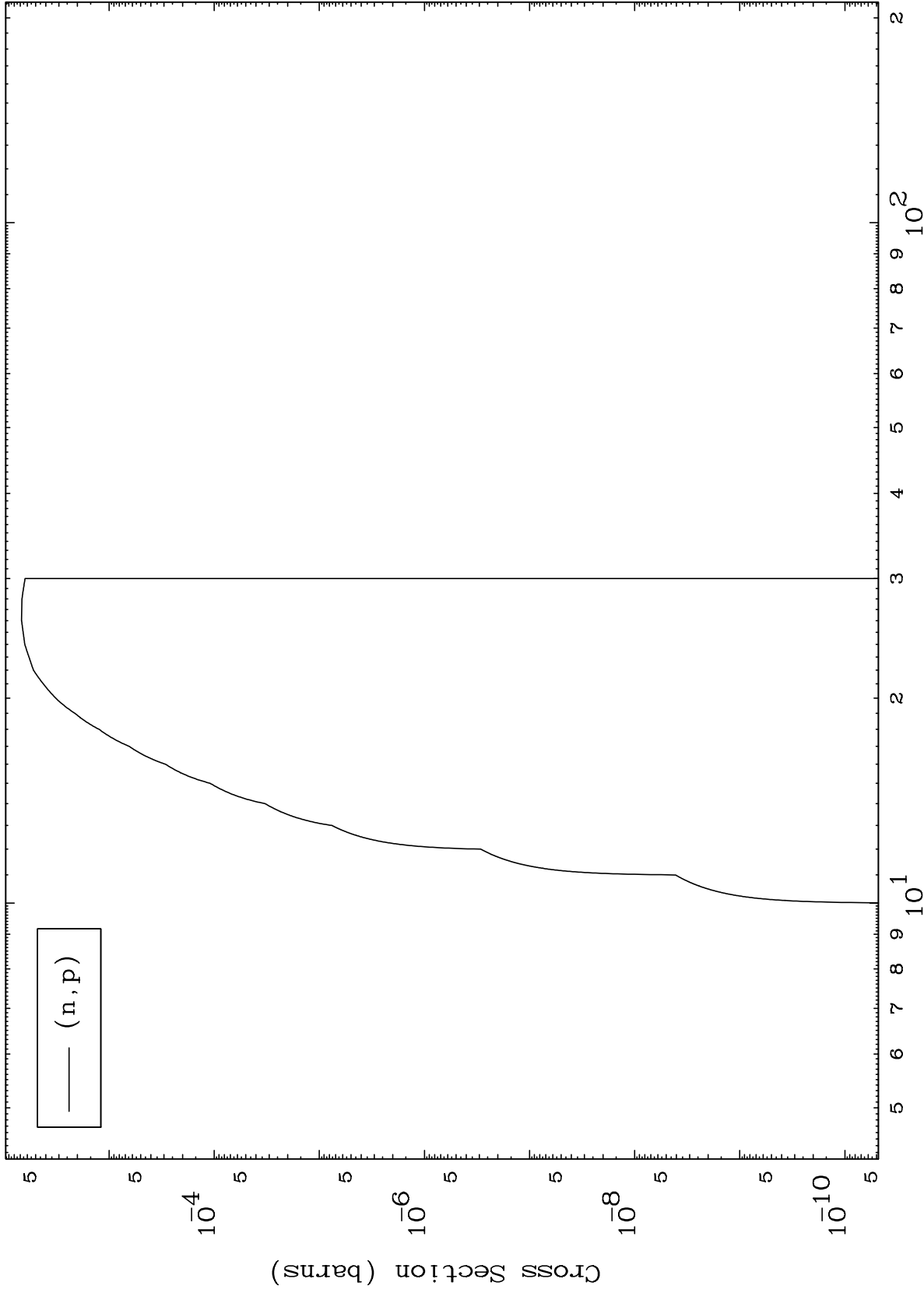




MAT 5149

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

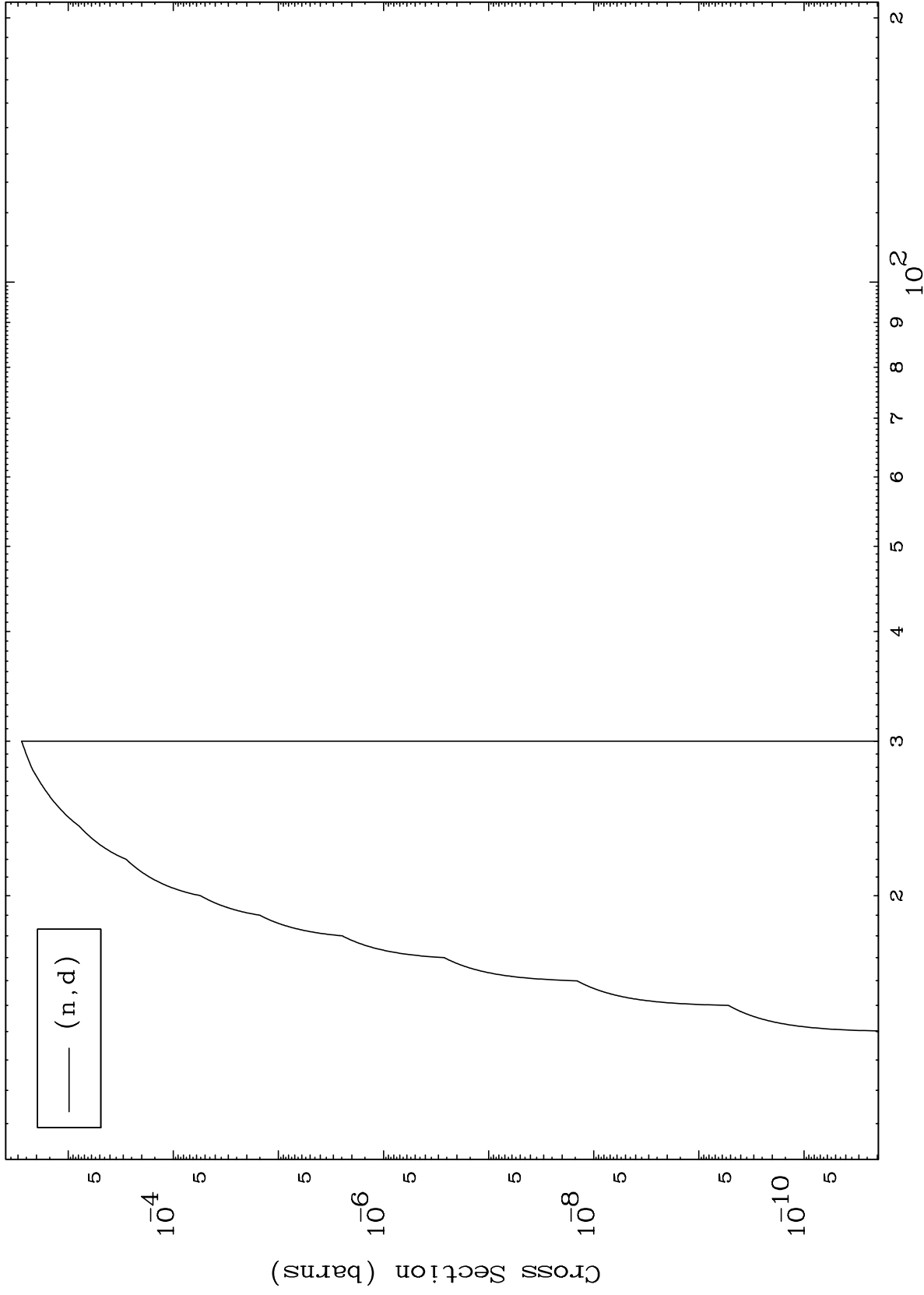
51-Sb-129



6

Incident Energy (MeV)

51-Sb-129



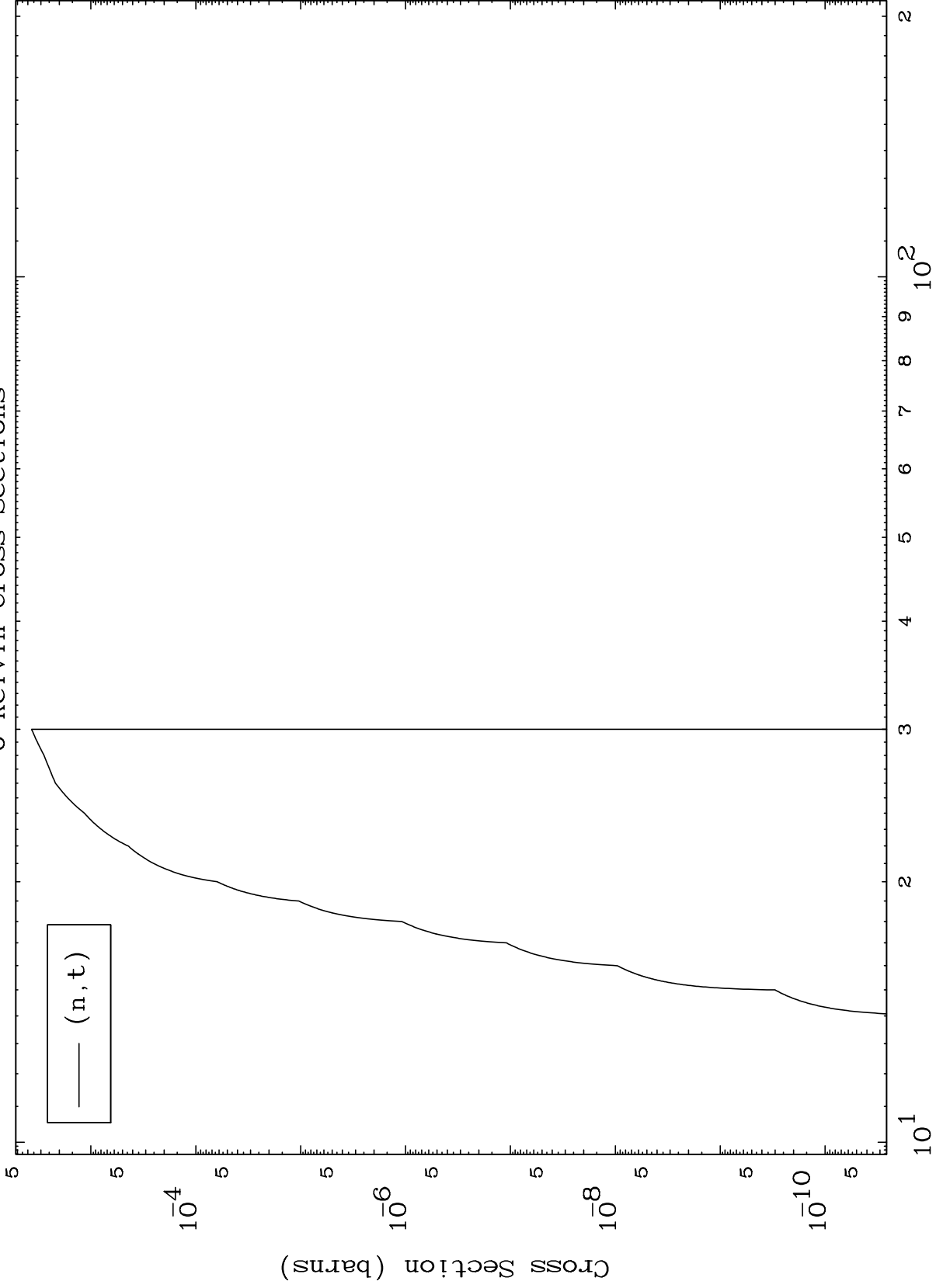


MAT 5149

( $\alpha, t$ ) Levels

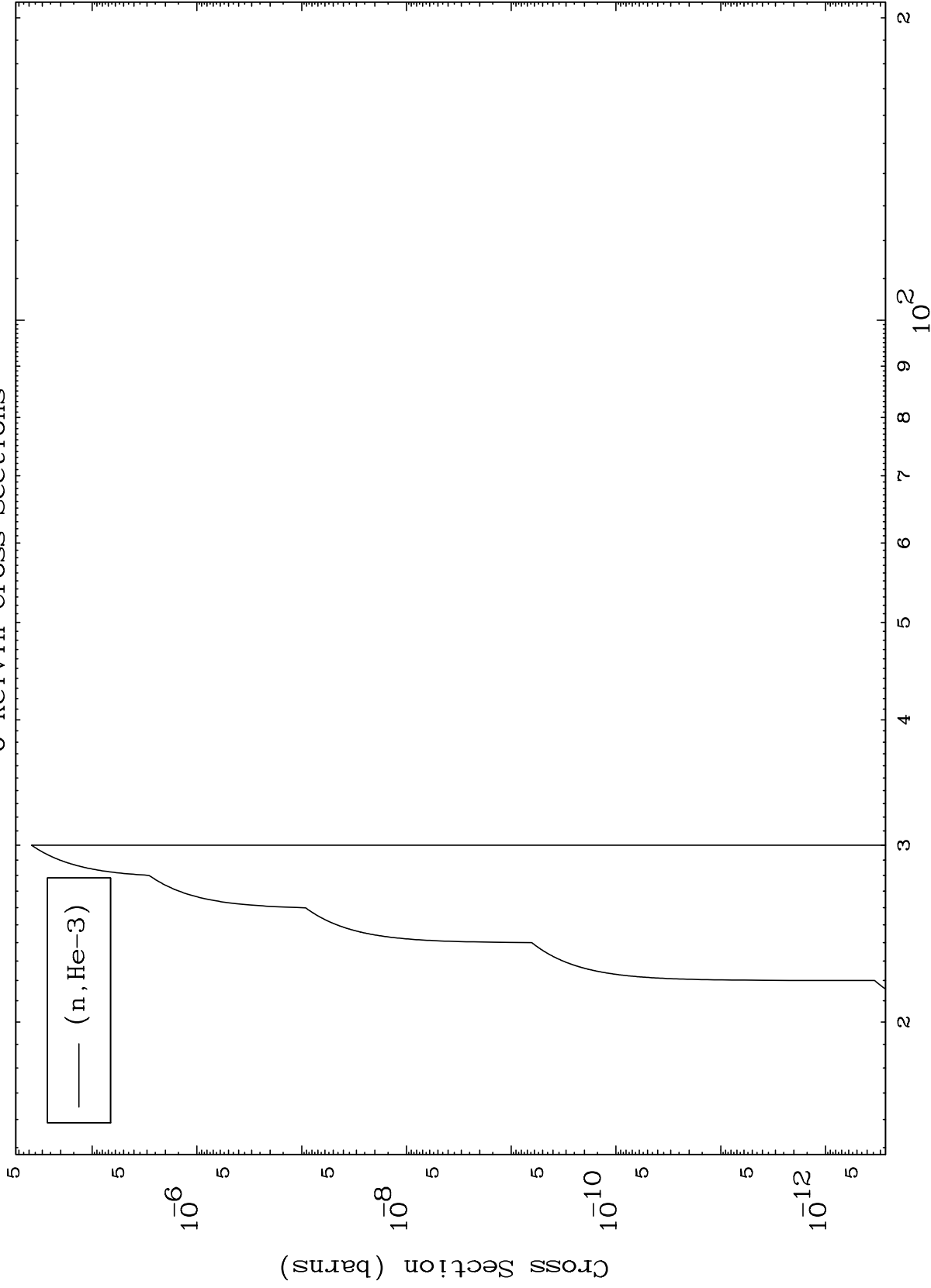
51-Sb-129

0 Kelvin Cross Sections



Incident Energy (MeV)

51-Sb-129

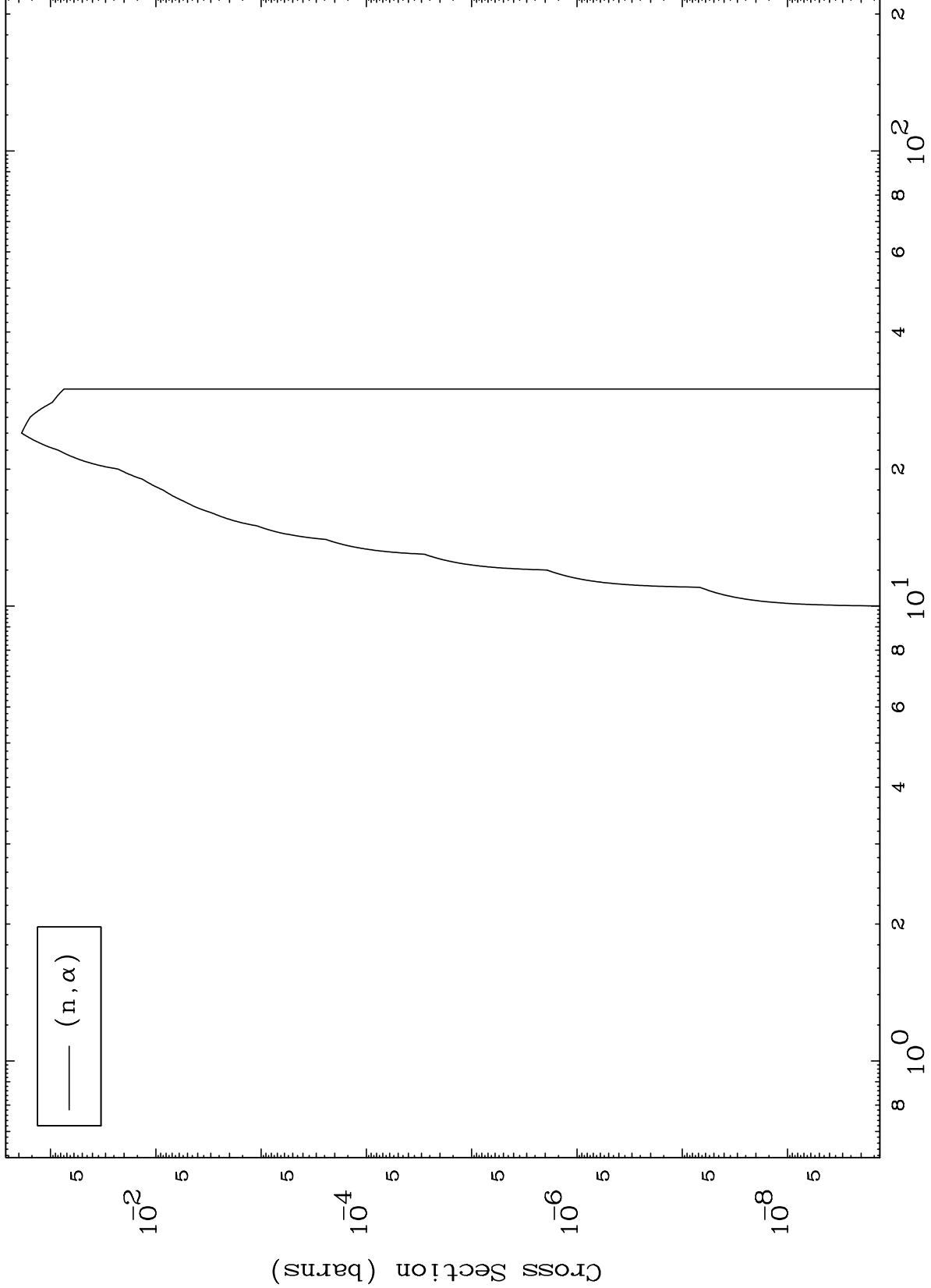


MAT 5149

( $\alpha, \alpha$ ) Levels

51-Sb-129

0 Kelvin Cross Sections



10

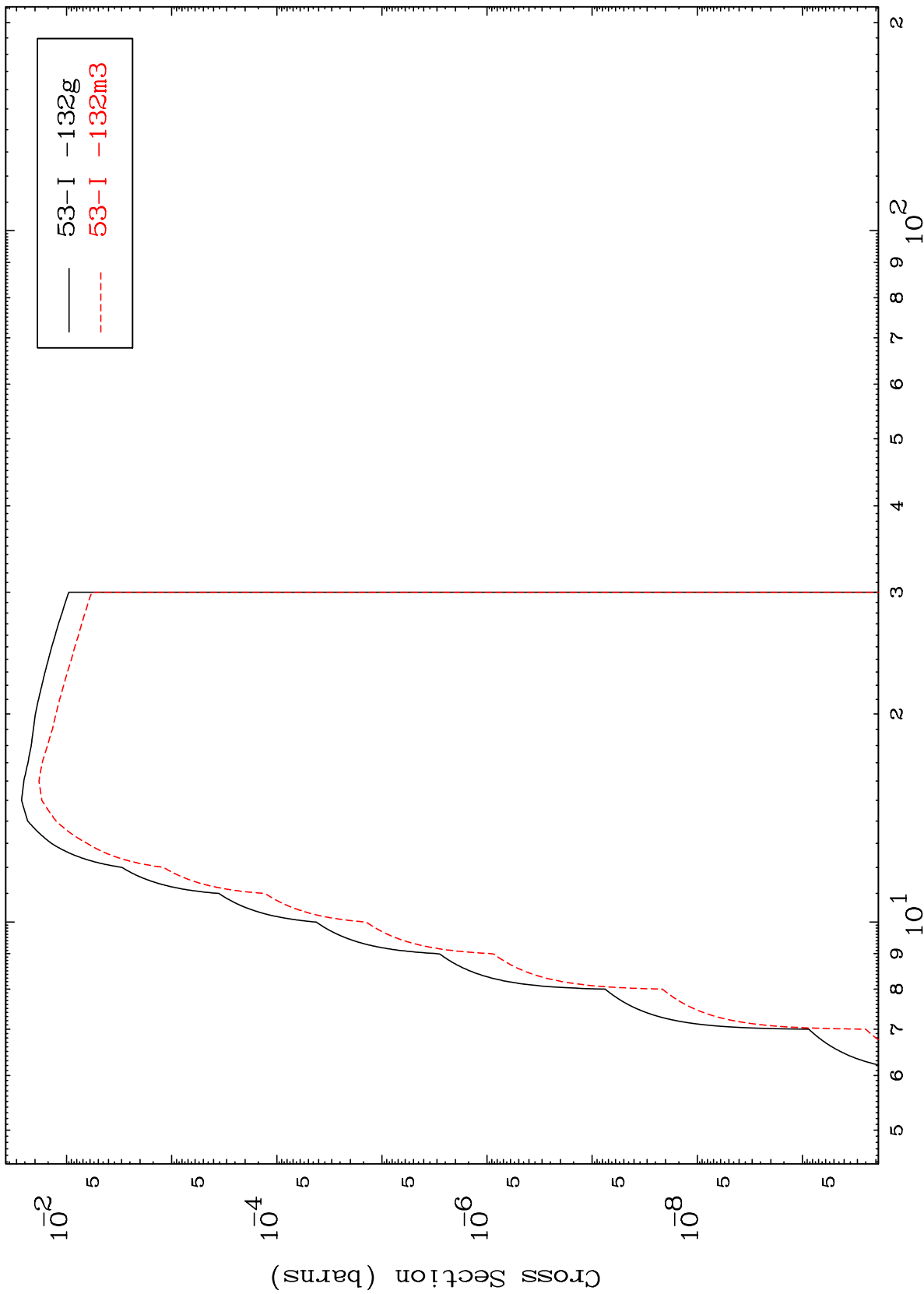
Incident Energy (MeV)

51-Sb-129

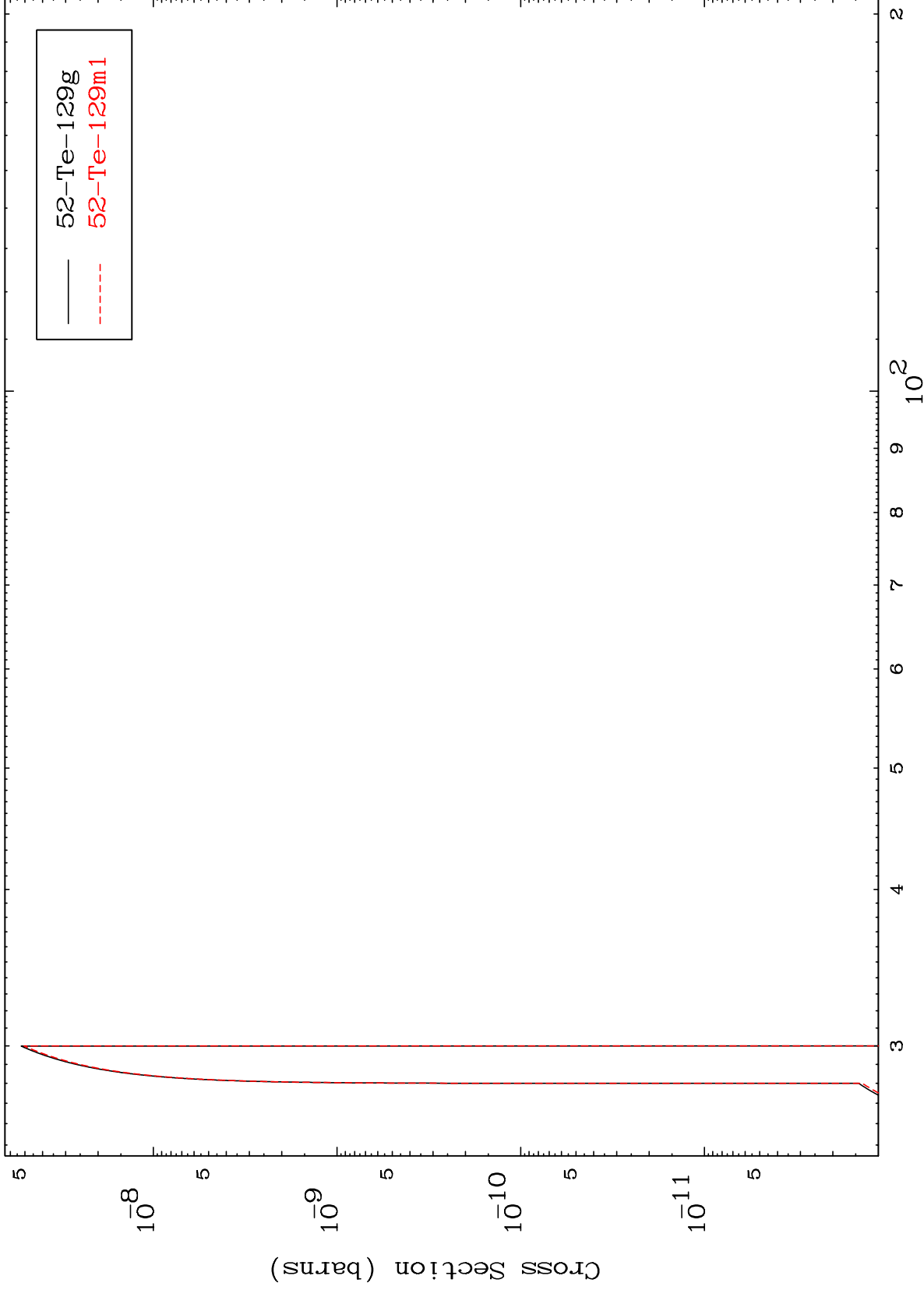
MAT 5149

51-Sb-129

Inelastic  
Radionuclide Production Cross Section



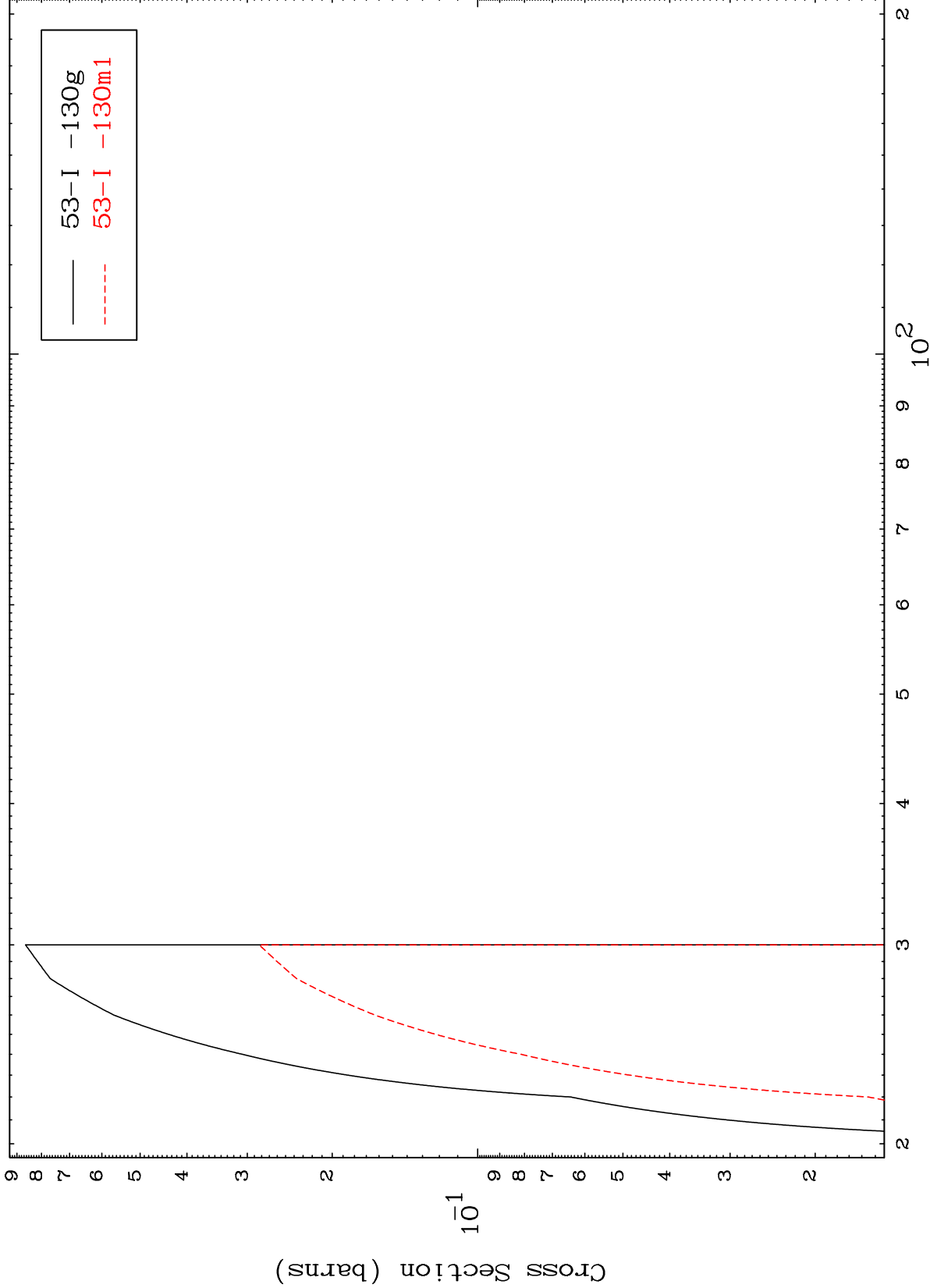
Radionuclide Production Cross Section



MAT 5149

51-Sb-129

(n,3n)  
Radionuclide Production Cross Section



51-Sb-129

Incident Energy (MeV)

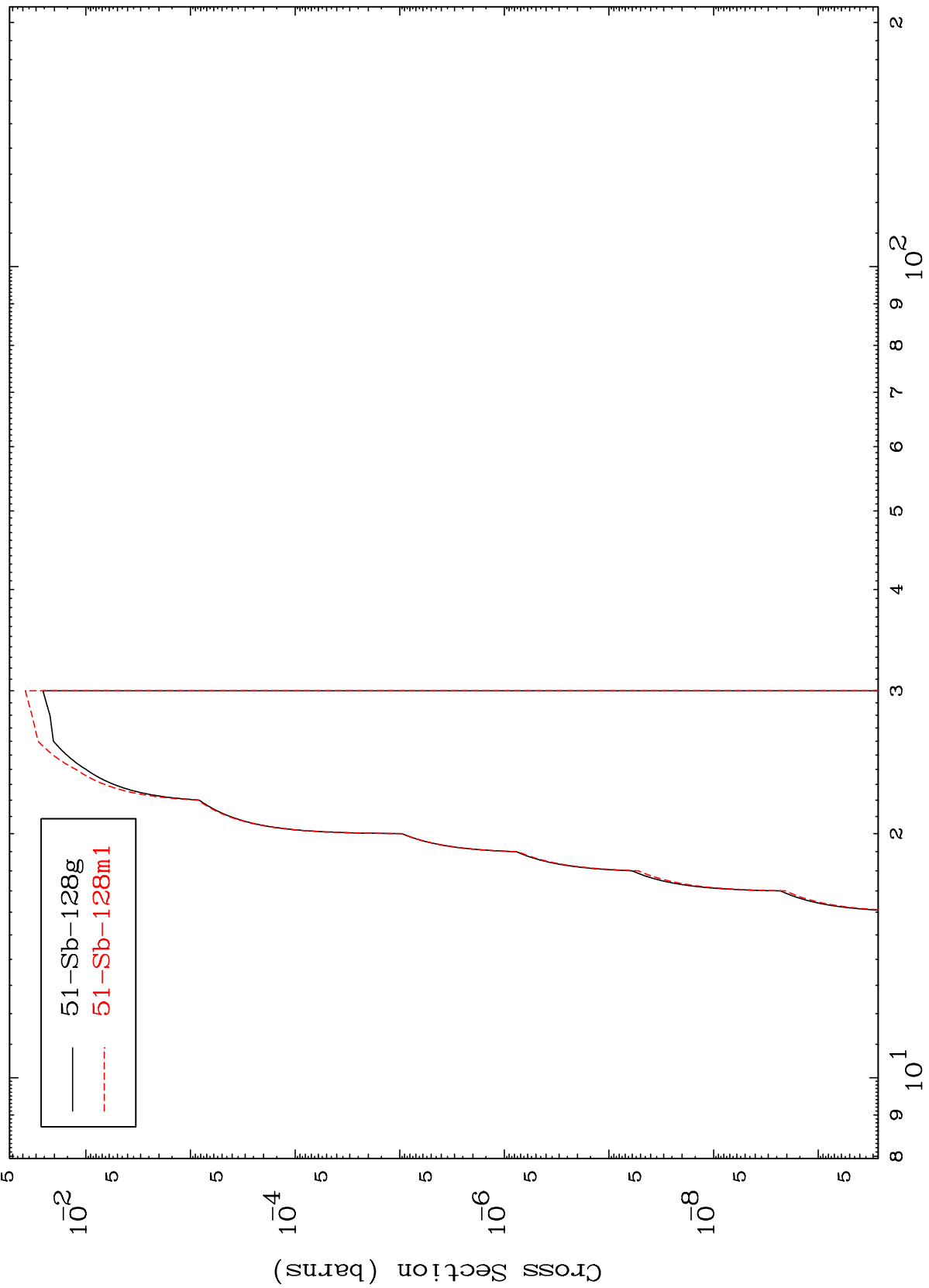
13

MAT 5149

51-Sb-129

(n,n')  $\alpha$

Radionuclide Production Cross Section

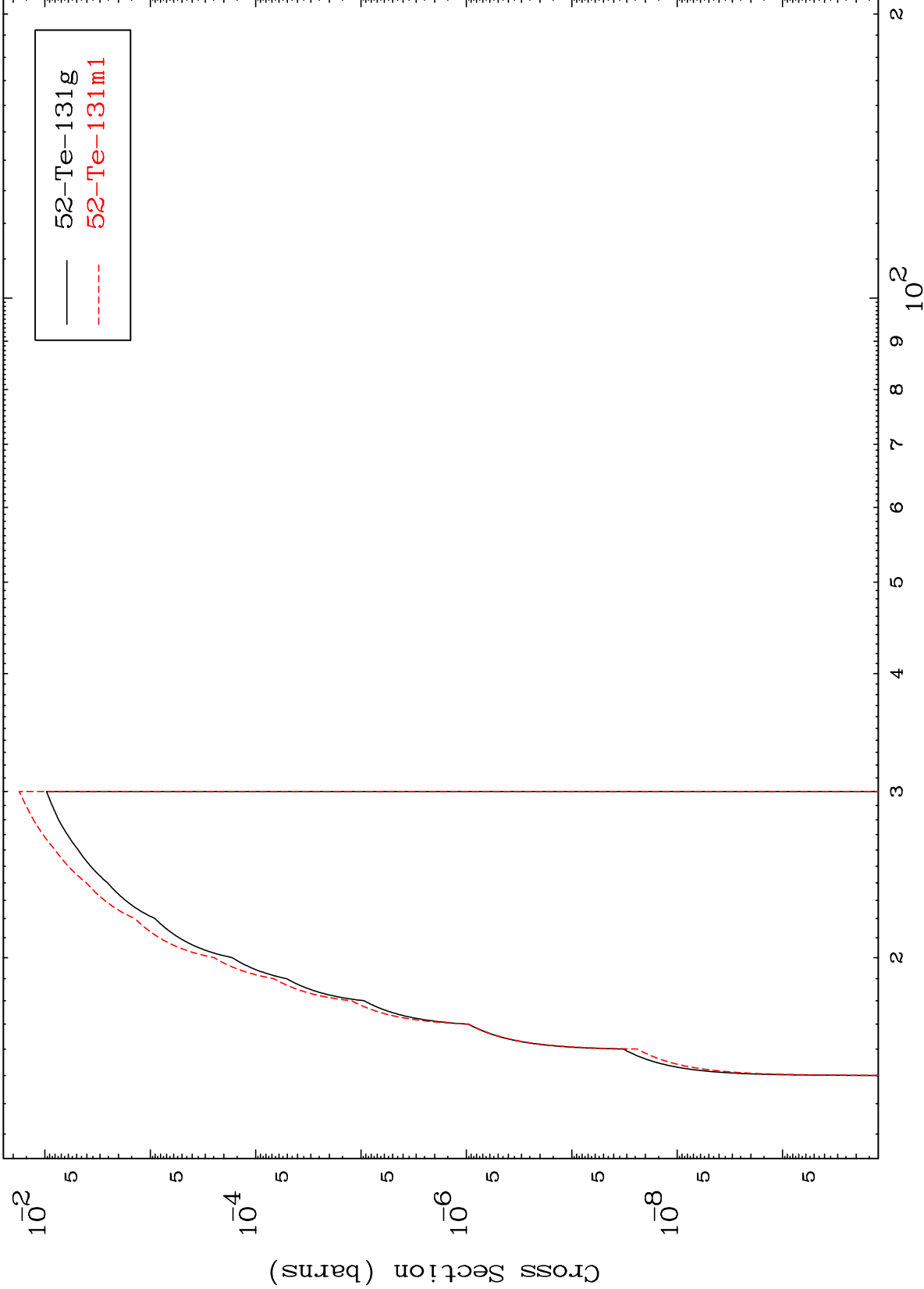


14

Incident Energy (MeV)

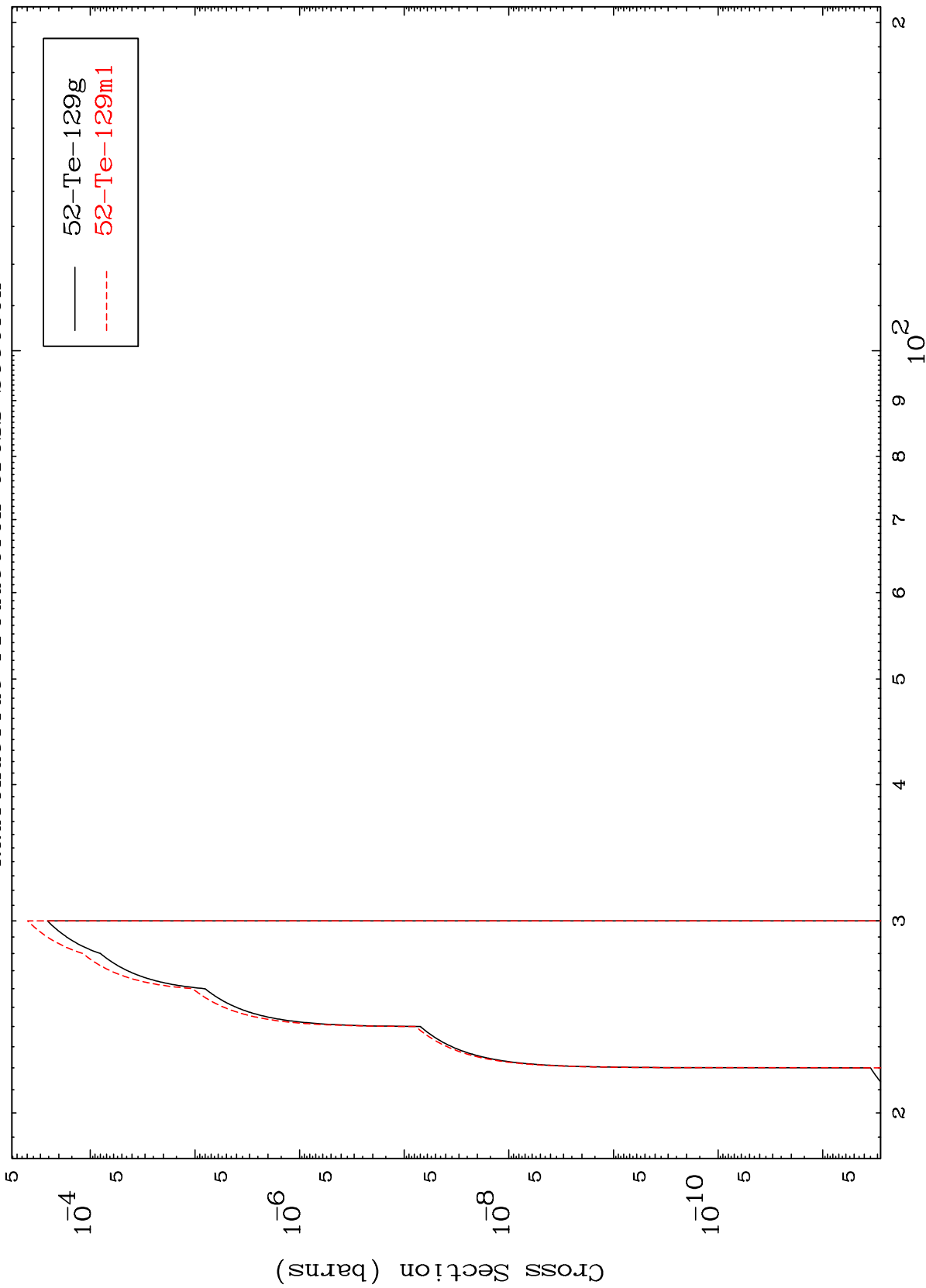
51-Sb-129

Radionuclide Production Cross Section





Radionuclide Production Cross Section

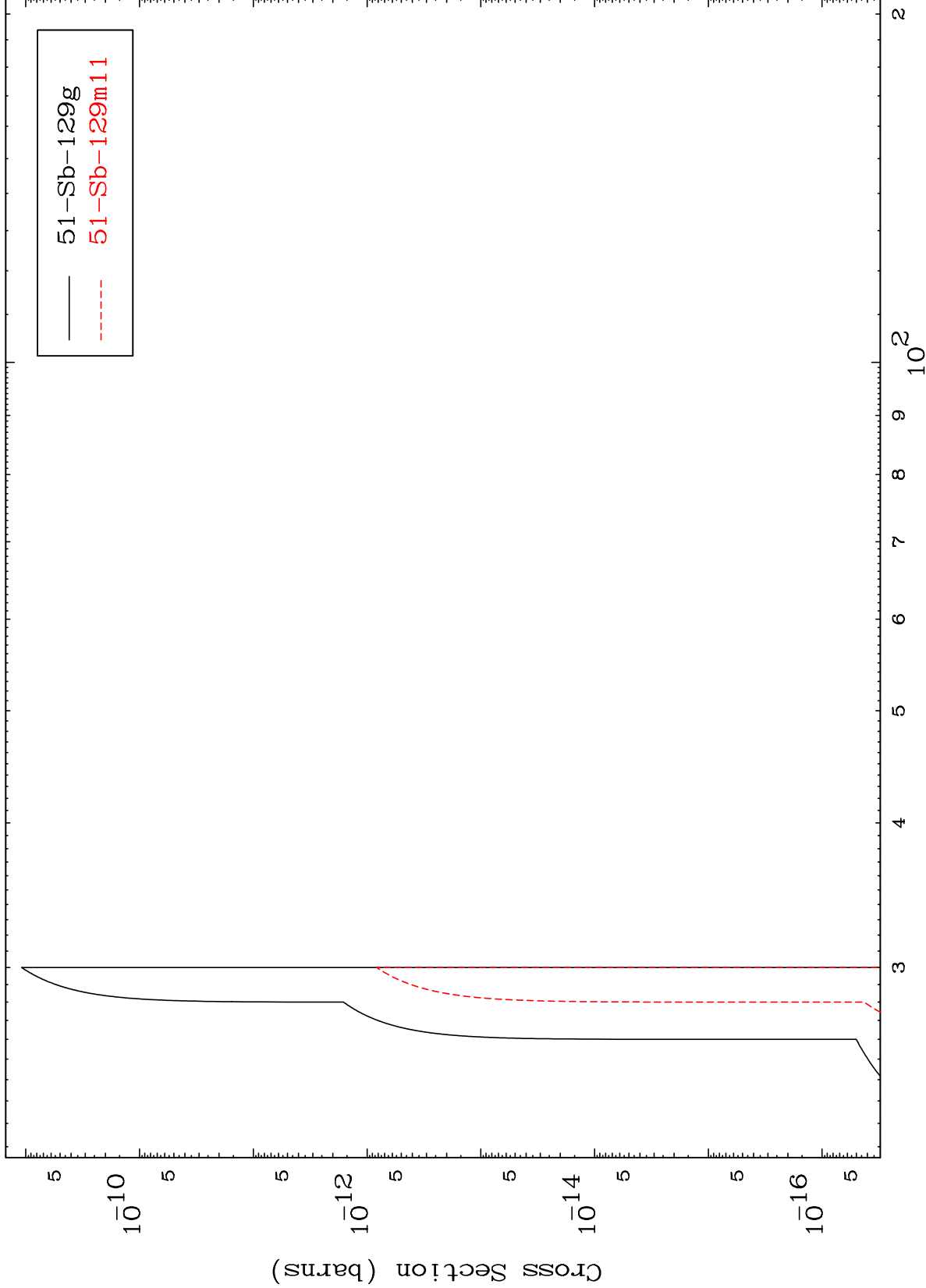


MAT 5149

(n,n') He-3

51-Sb-129

Radionuclide Production Cross Section



51-Sb-129g  
51-Sb-129m11

17

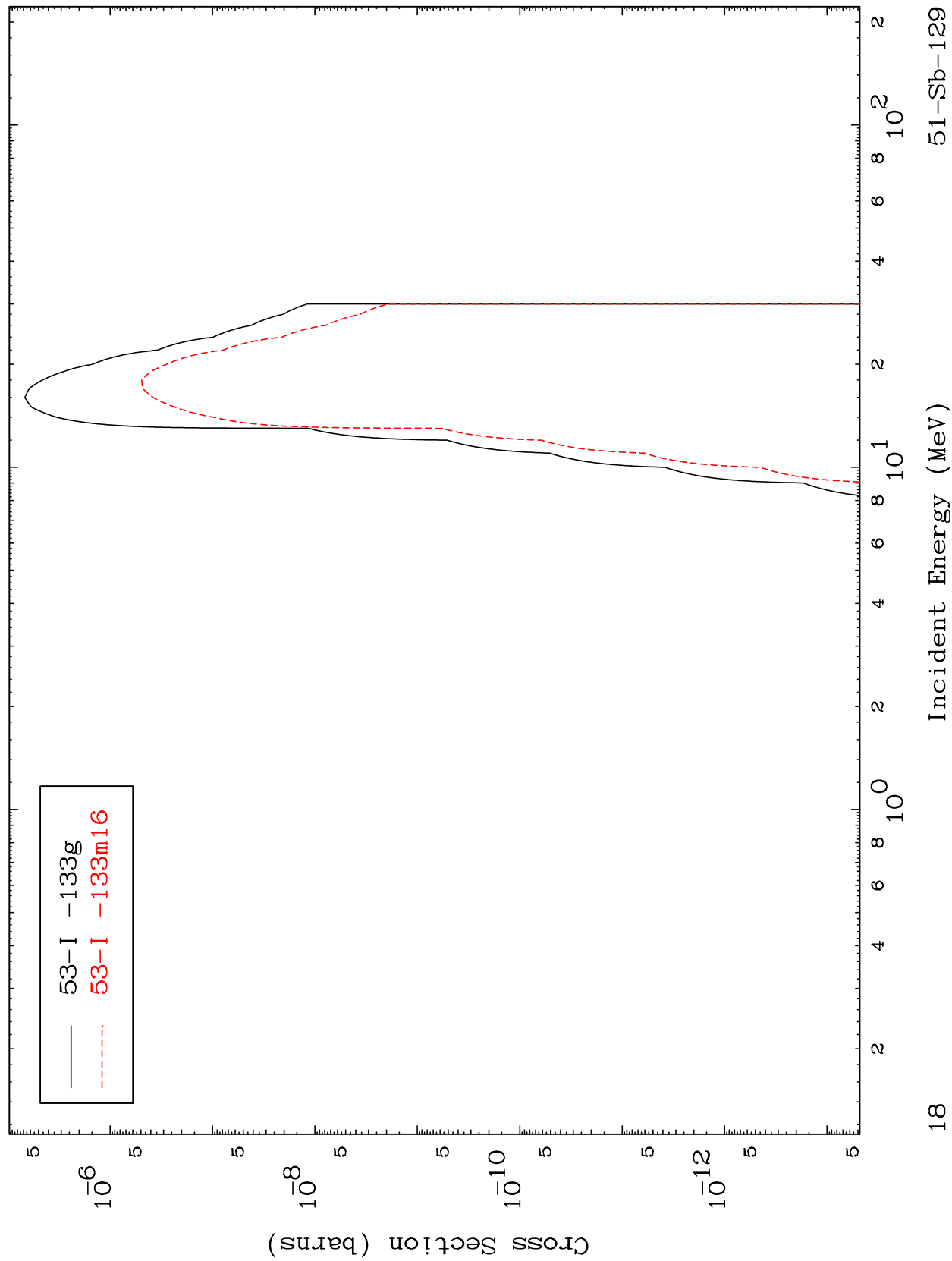
Incident Energy (MeV)

51-Sb-129

MAT 5149

51-Sb-129

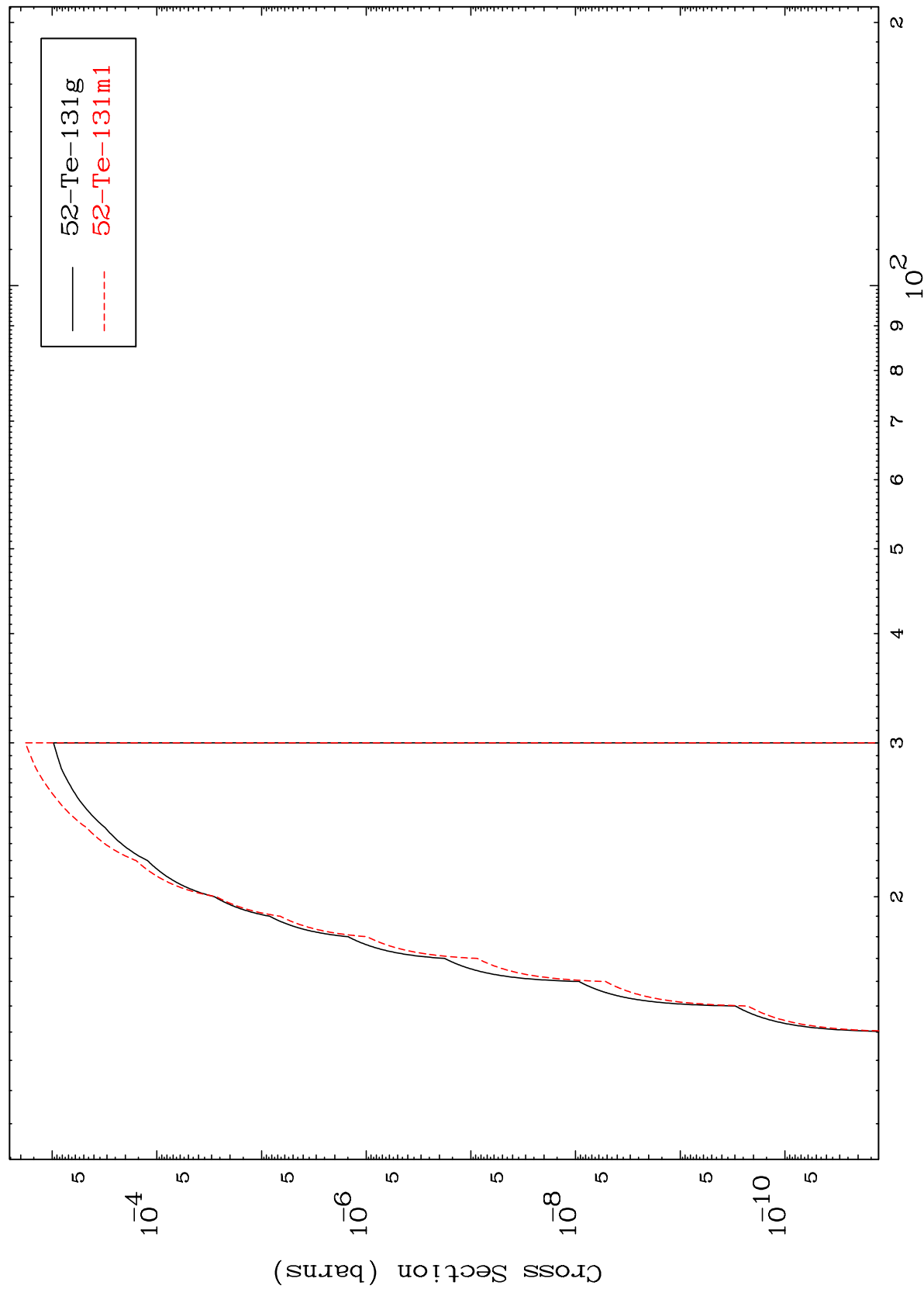
(n,  $\gamma$ )  
Radionuclide Production Cross Section



18

51-Sb-129

(n,d)  
Radionuclide Production Cross Section

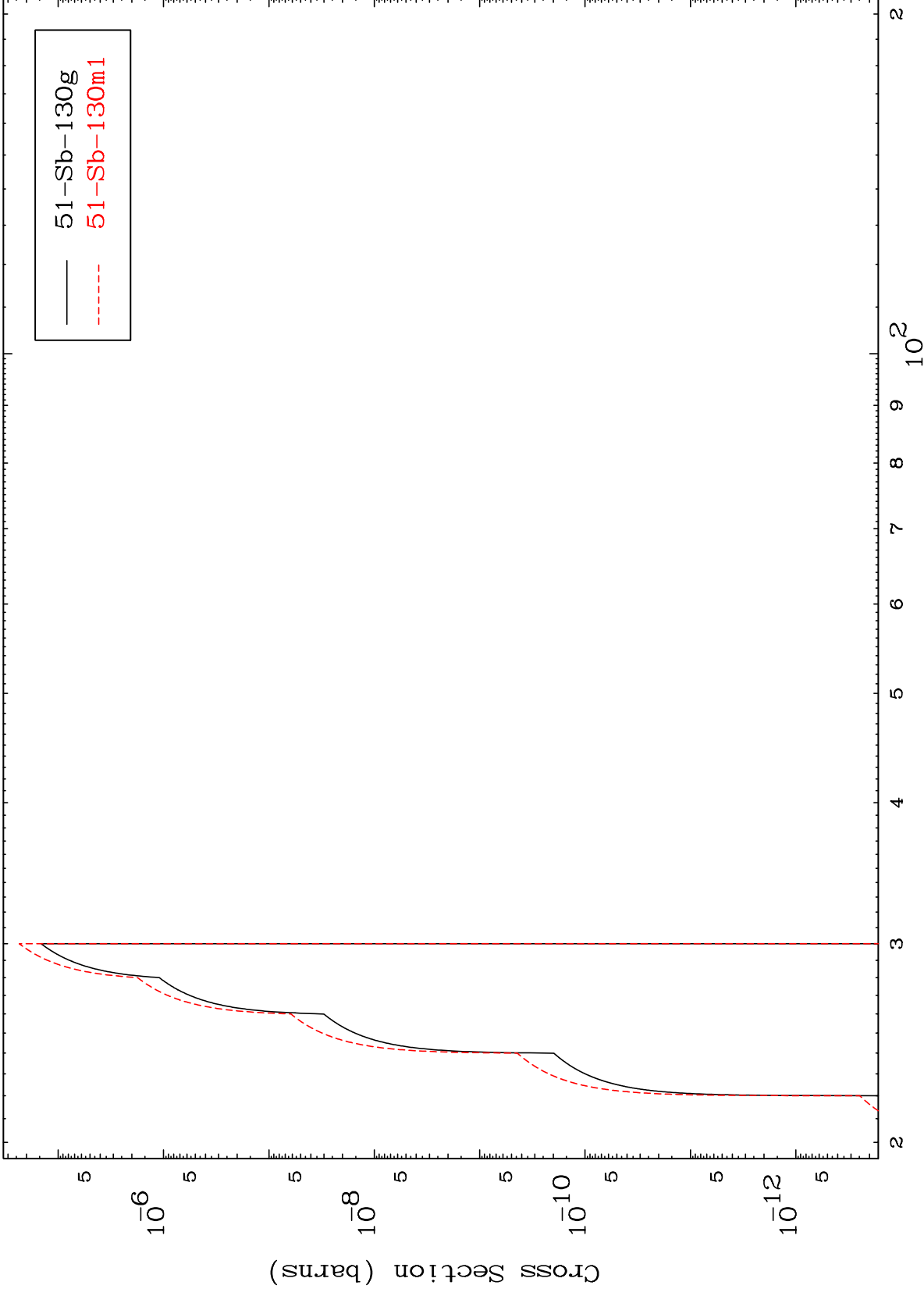


MAT 5149

(n,He-3)

51-Sb-129

Radionuclide Production Cross Section



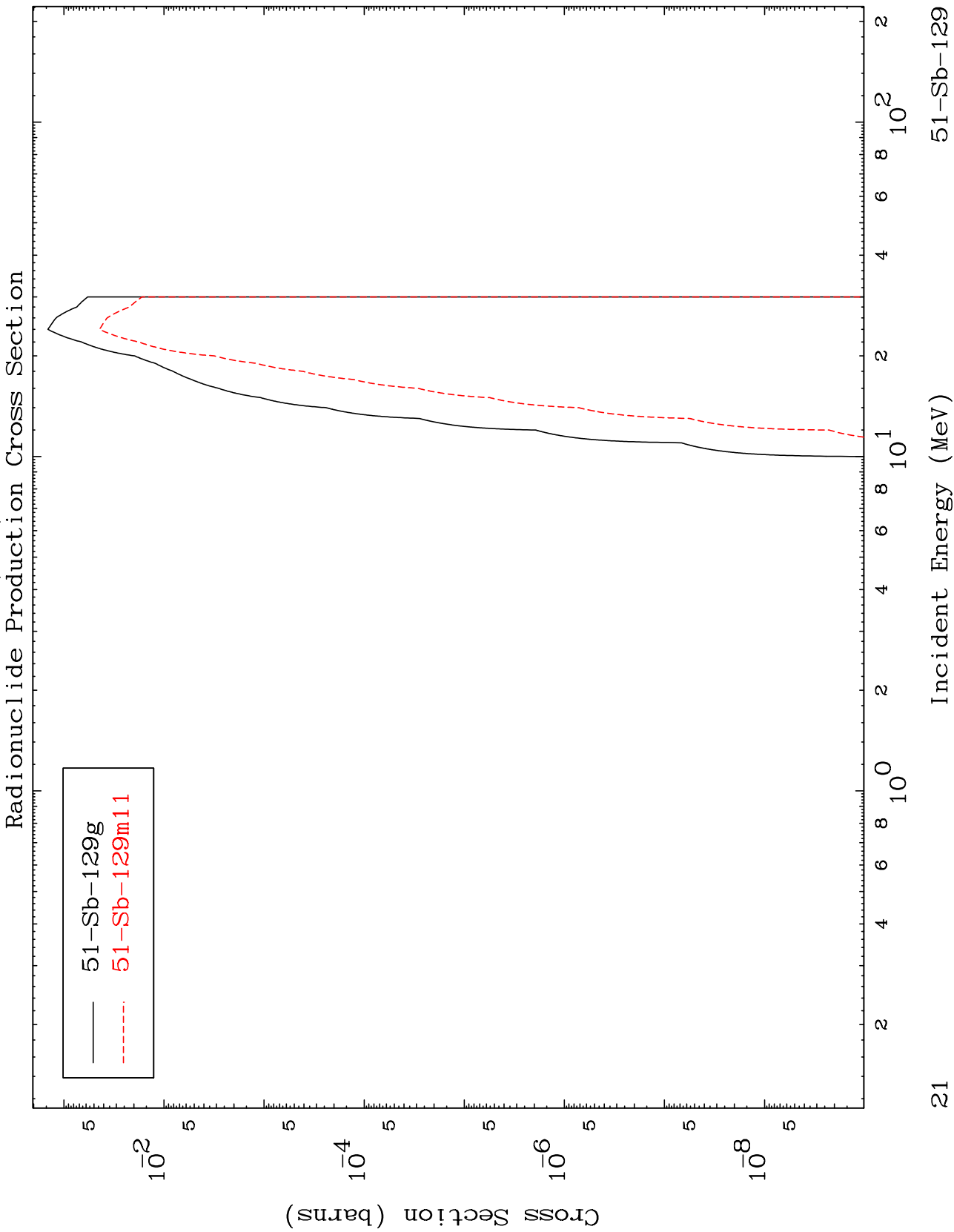
20

Incident Energy (MeV)

51-Sb-129

MAT 5149

51-Sb-129

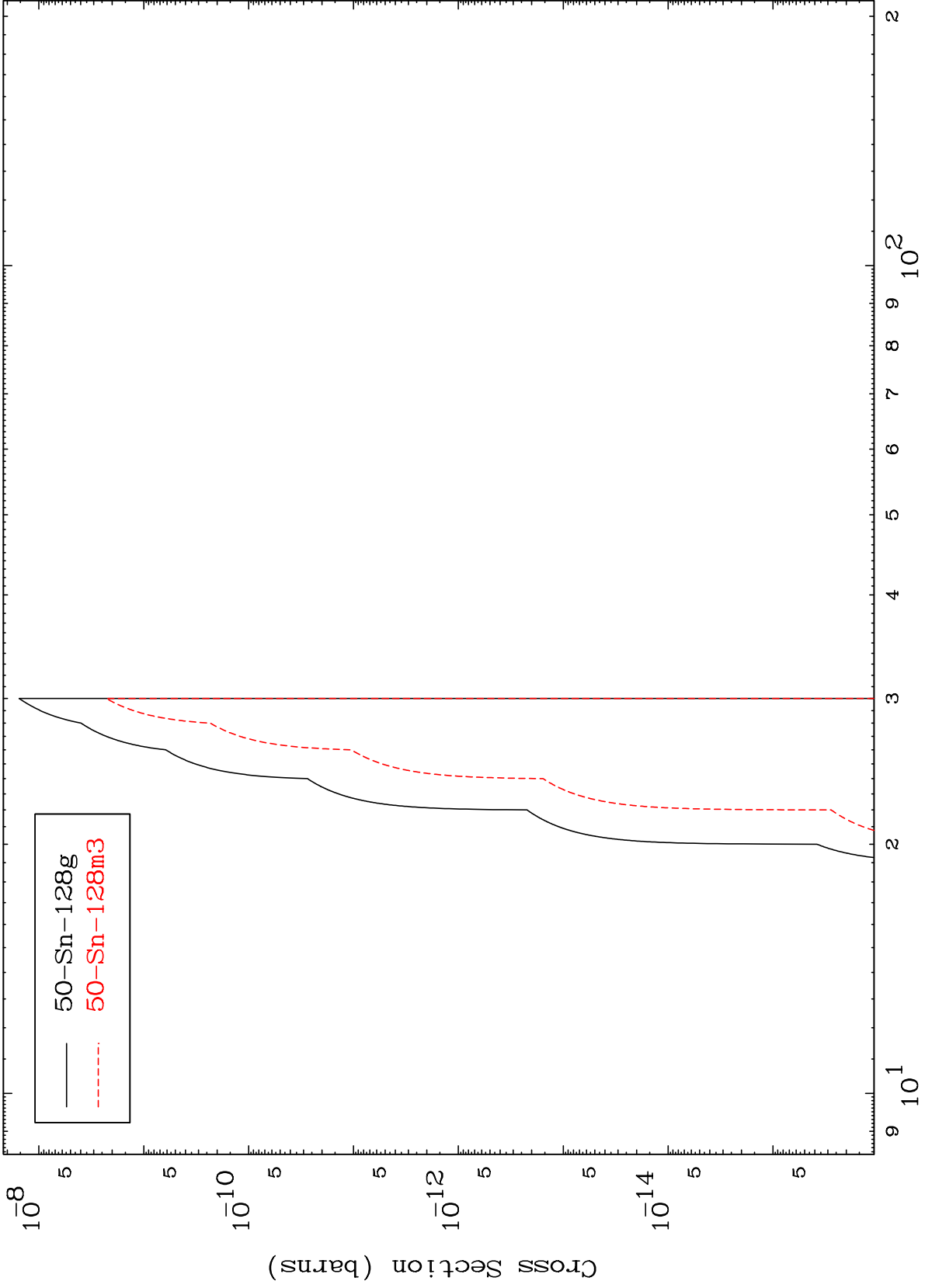


MAT 5149

(n,p)  $\alpha$

51-Sb-129

Radionuclide Production Cross Section



22

Incident Energy (MeV)

51-Sb-129